

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



Secret

25X1

imagery analysis report

Czechoslovakian Army-Level Mobile Signal Regiments (S)

265

Secret

WNINTEL

Z-14610/82
IAR-0085/82
OCTOBER 1982
Copy 73

Page Denied

SECRET

25X1

CZECHOSLOVAKIAN ARMY-LEVEL MOBILE SIGNAL REGIMENTS (S)

1. (S/WN) This report discusses the vehicles in Czechoslovakian army-level signal regiments and establishes an imagery-derived order-of-battle for electronics/communications equipment usually seen in such units. It outlines the equipment and organization for the two army-level signal regiments in Czechoslovakia (Figure 1): Plzen Army Barracks Borech 001/002 [redacted], in the 1st Army (Figure 2), and Pisek Army Barracks West 001/HQ 4th Army [redacted] Figure 3), in the 4th Army. This report is based on imagery acquired from November 1971 through April 1982.

25X1
25X1

Equipment

2. (S/WN) Analysis of the two army-level signal regiments during the reporting period resulted in the following: assigning one possible and one confirmed Czechoslovakian designator to previously unidentified mobile signal vans, identifying a Soviet radio station mounted on a Praga V3S chassis; and assigning NPIC interim designators to six Czechoslovakian and three Soviet signal vans the designators of which are unknown to NPIC.

3. (S/WN) The following table indicates the vehicles observed in the two signal regiments that have distinct imagery signatures. The NPIC interim designator indicates the type of vehicle chassis on which the box-bodied van is mounted and includes a number which identifies the specific box body.

Equipment Designation	Chassis Type	Physical Description
RDM-12 Radio Relay Set (Figure 4) ¹	Praga-V3S	One antenna vehicle with two prominent canvas-covered masts on roof; one auxiliary power vehicle with four circular vents in a square pattern on front of roof and short mast in center of rear, tows generator trailer.
Czech R-140 Radio Station (Figure 4)	Praga-V3S	Single-vehicle station with distinctive T-shaped antenna array over mast down center of roof; prominent canvas-covered framework on right front of roof.



FIGURE 1. LOCATION OF CZECHOSLOVAKIAN ARMY-LEVEL SIGNAL REGIMENTS

25X1

SECRET

Equipment Designation	Chassis Type	Physical Description
Possible RDM-61M Radio Relay Station ² (Figure 5)	UAZ-69	Single-vehicle station with antenna mount on right rear; UAZ-69 in units cannot be confirmed as RDM-61M.
PRA-V3S-01* (Figure 4)	Praga-V3S	Three circular vents in line on roof, two grouped near rear.
PRA-V3S-02* (Figure 4)	Praga-V3S	Two circular vents in line on roof, near center.
PRA-V3S-03* (Figure 4)	Praga-V3S	Two circular vents in line on roof, one near each end.
PRA-V3S-04* (Figure 4)	Praga-V3S	Four circular vents in line on roof, one near each end and two closely grouped near center.
PRA-V3S-05* (Figure 4)	Praga-V3S	Three circular vents in line on roof, two grouped near front.
TAT-805-01* (Figure 4)	Tatra-805	Wide antenna array or catwalk down center of roof (line drawing approximate).
ZIL-131-02* (Figure 6)	ZIL-131	Slender antenna container down center of roof; roof usually appears cluttered with other antenna sections.
ZIL-131-03* (Figure 6)	ZIL-131	At least two masts, one in center of roof, one closer to right edge.
ZIL-131-04* (Figure 5)	ZIL-131	Two prominent raised and canvas-covered antenna boxes covering most of roof; two slender masts, one along each side of roof.

*Denotes NPIC interim designator

Organization

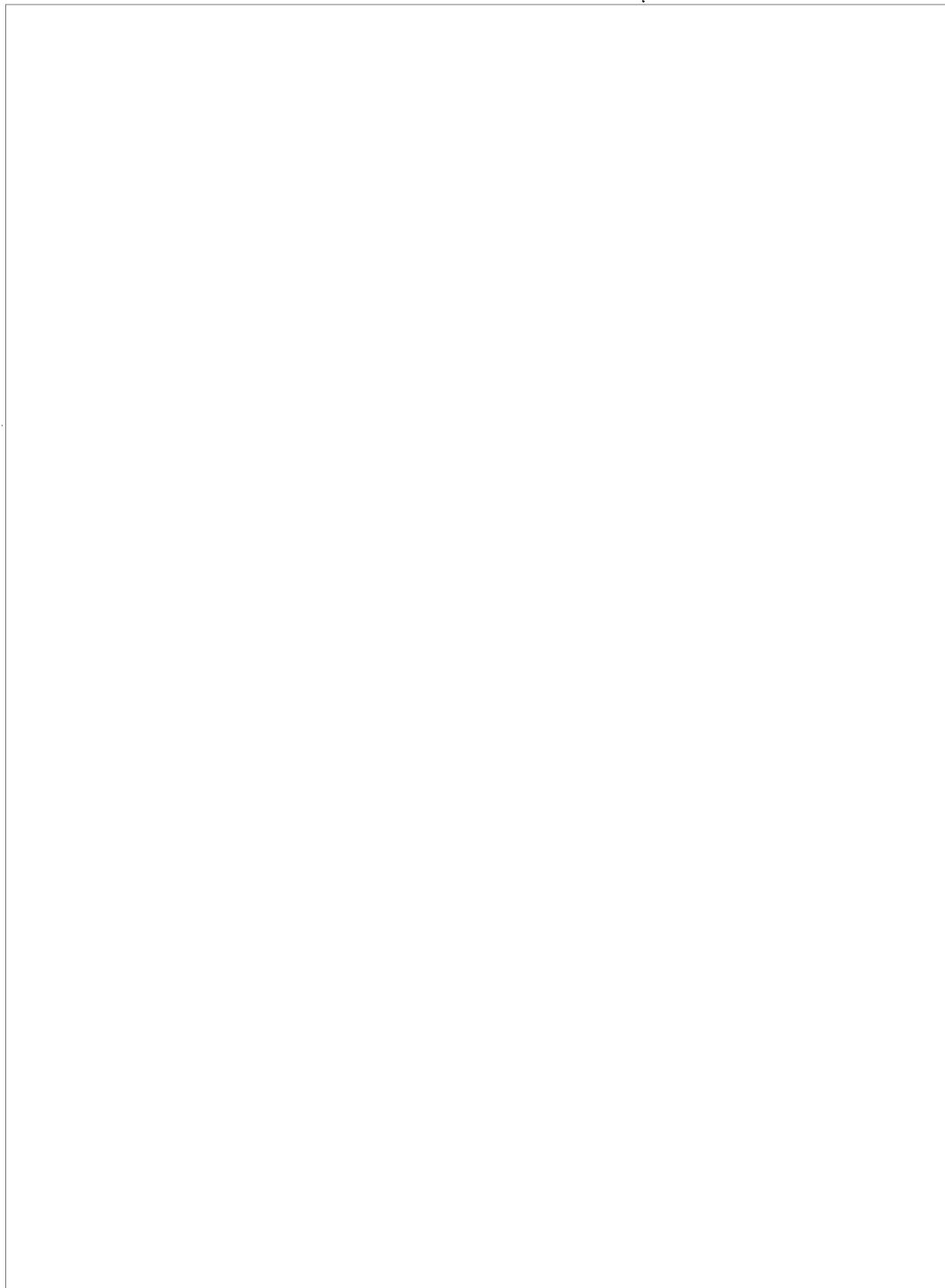
4. (S/WN) The battalions in the two regiments have slightly different equipment holdings and organizational structures. These differences may be a result of different mission requirements for each regiment. The basic structure of the regiment is three signal battalions, a telecommunications battalion, and a support battalion.³

5. (S/WN) The three signal battalions in the Pisek regiment and two of the three signal battalions at Plzen are virtually identical. Each contains 37 to 45 vehicles (Figures 7 and 8) and consists of the following equipment:

Equipment	Number
RDM-12 Radio Relay Set	2
UAZ-69 (Possible RDM-61M)	2
Czech R-140	2
PRA-V3S-01	7-9
PRA-V3S-02	2
PRA-V3S-03	0-2
PRA-V3S-05	0-2
ZIL-131-02	1-2
ZIL-131-03	0-2
Unidentified Praga-V3S Van	5-10
Cargo Truck	4-8

Page Denied

25X1



6: (S/WN) The third signal battalion at Plzen differs slightly. This battalion contains at least 37 vehicles, including 12 TAT-805-01s, two Tatra-805s, one RDM-12 radio relay set, two ZIL-131-04s, and one UAZ-69. This is the only signal battalion equipped with Tatra-805 vehicles, and it is possible the battalion has not been updated, as of April 1982, with the more modern Praga-V3S.

7. (S/WN) The telecommunications battalion at Pisek (Figure 9) and the one at Plzen (Figure 10) are similar except for the total number of vehicles. The battalion at Pisek contains 49 vehicles and the Plzen battalion contains 70 vehicles.

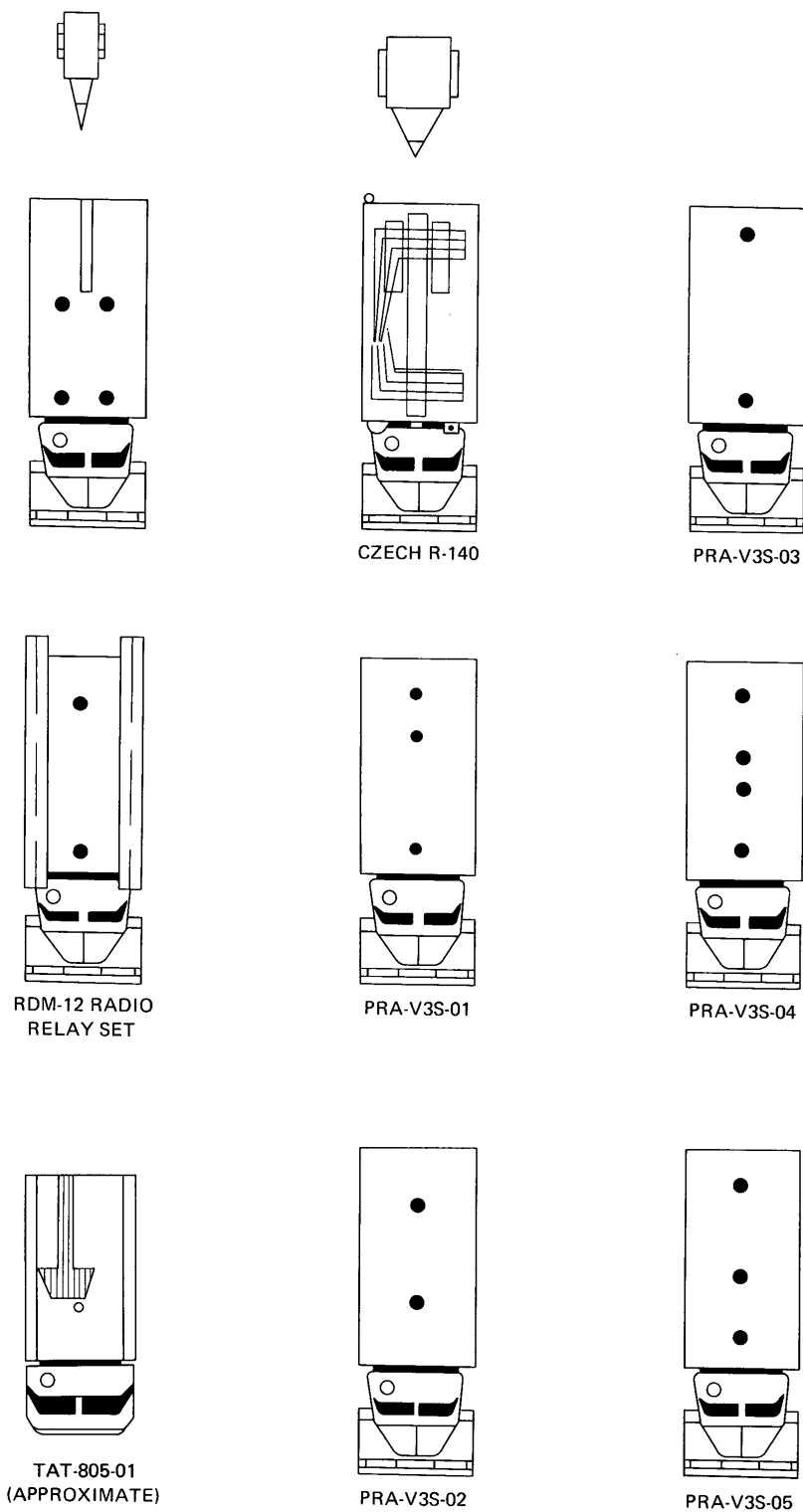
[redacted] six RDM-12 vehicles and four ZIL-131-04s were in the Pisek battalion and on [redacted] 15 RDM-12 vehicles and six ZIL-131-04s were in the Plzen battalion.

25X1

25X1

25X1

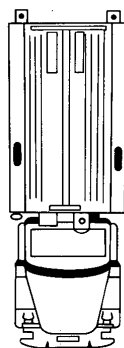
SECRET



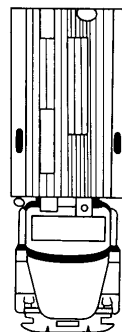
NPIC T-4780

FIGURE 4. LINE DRAWING OF OVERHEAD VIEW OF CZECHOSLOVAKIAN SIGNAL VANS

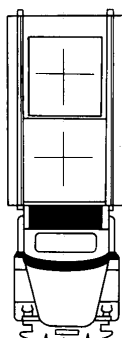
SECRET



ZIL-131-02



ZIL-131-03



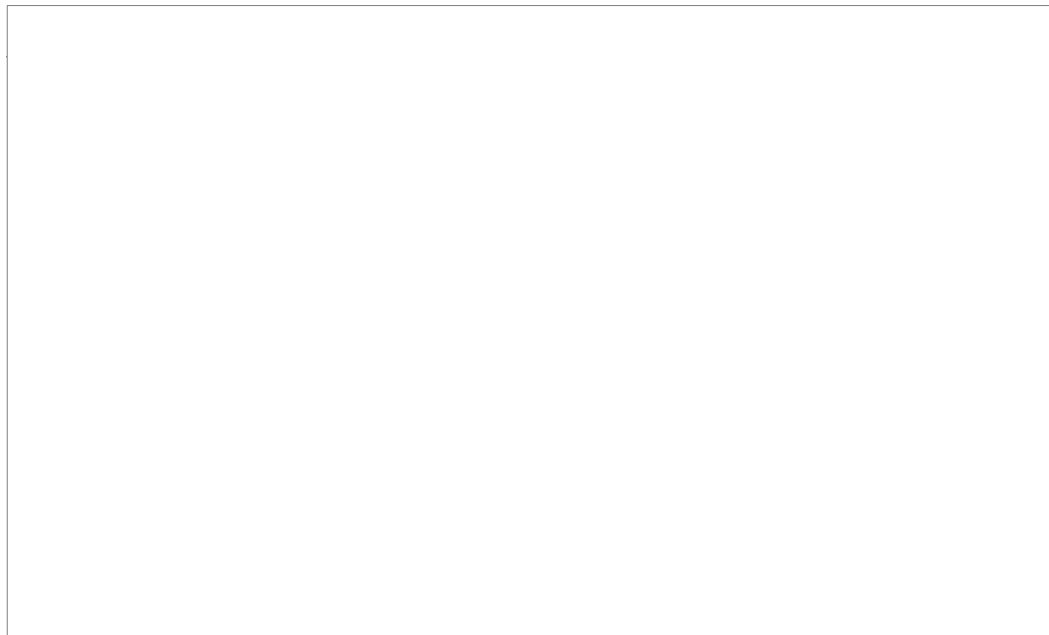
ZIL-131-04



RDM-61M
RADIO RELAY STATION
(POSSIBLE)

NPIC T-4781

FIGURE 5. LINE DRAWING OF OVERHEAD VIEW OF SIGNAL VANS ON SOVIET CHASSIS



25X1

Page Denied

Next 3 Page(s) In Document Denied

SECRET**REFERENCES****IMAGERY**

(S/WN) All relevant satellite imagery acquired from November 1971 through April 1982 was used in the preparation of this report.

DOCUMENTS

1. DoD. IR 2 218 9571 78. *Radio Relay Station RDM-12 (U)*, 20 Sep 78 (CONFIDENTIAL [redacted]) 25X1
[redacted] 25X1
2. DoD. IR 2 218 8076 77, *RDM-61 Radio Relay Station (U)*, 25 May 77 (CONFIDENTIAL [redacted]) 25X1
3. DIA. DDB-1100-17-81. *Ground Force Organizational Guide-East Europe (U)*, Vol 1, Mar 81 (SECRET)

RELATED DOCUMENT

DoD. IR 2 218 6664 80, *Beroun - Unidentified Signal Regiment*, 2 Oct 80 (CONFIDENTIAL)

(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC, [redacted] 25X1
[redacted] 25X1

SECRET

Secret

Secret